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PTO-1390 (Rev. 02-2005) Approved for use through 3/31/2007. OMB 0651-0021

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TRANSMITTAL LETTER TO THE UNITED STATES		ATTORNEY'S DOCKET NUMBER URQU.P-016		
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 U.S. APPLICATION NO. (If known, see 37 Concerning and 10/537,280				
INTERNATIONAL APPLICATION NO. PCT/GB2003/005171	INTERNATIONAL FILING DATE 11/29/2003	PRIORITY DATE CLAIMED 11/29/2003		
TITLE OF INVENTION Binding Partners for	the Thyrotropin Receptor and Uses There	of		
APPLICANT(S) FOR DO/EO/US Sanders et a	al	-		
Applicant herewith submits to the United States	Designated/Elected Office (DO/EO/US) t	he following items and	d other information:	
1. This is a FIRST submission of items of	concerning a submission under 35 U.S.C.	371.		
2. X This is a SECOND or SUBSEQUENT	submission of items concerning a submis	sion under 35 U.S.C.	371.	·
3. This is an express request to begin na (5), (6), (9) and (21) indicated below.	ational examination procedures (35 U.S.C.	371 (f)). The submiss	lon must include items	4
4. The US has been elected (Article 31).			e bei ice essea	S
5. A copy of the International Application	as filed (35 U.S.C. 371(c)(2))		Service and a se	۱ <u>۲</u>
a. is attached hereto (required	only if not communicated by the Internation	onal Bureau).	here ostal and 1.8 Box 450 o	\$
b. has been communicated by	the International Bureau.		CFR named harmed by see Pool s	ઇ <
c. is not required, as the applic	cation was filed in the United States Recei	ving Office (RO/US).	37 (note in a class class cents, a 223	
6. An English language translation of the	e International Application as filed (35 U.S.	C. 371(c)(2)).	her hinter first riginit	8 -
a. is attached hereto.			Unc attac trbe, U ia, Vi ia, Vi	مالاً -
b. has been previously submitt	ted under 35 U.S.C. 154(d)(4).		the att the att with the att with the att with the sostage ssioner andria, andria,	ر کا ا
7. Amendments to the claims of the Inter	rnational Application under PCT Article 19	(35 U.S.C. 371(c)(3))	Alex	.0
	ed only if not communicated by the Interna		uffic Ocios	일
b. have been communicated b		,	This with s	Name
c. have not been made; however	ver, the time limit for making such amendr	nents has NOT expire		
d. have not been made and wi	Il not be made.	·		
8. An English language translation of the	amendments to the claims under PCT Ar	ticle 19 (35 U.S.C. 37	1(c)(3)).	
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).			
10. An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	annexes of the International Preliminary I	Examination Report ur	nder PCT	
Items 11 to 20 below concern document	i(s) or information included:		•	
11. An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.			
12. An assignment document for recording	g. A separate cover sheet in compliance	with 37 CFR 3.28 and	3.31 is included.	
13. A preliminary amendment.				
14. X An Application Data Sheet under 37 C	FR 1.76.			
15. A substitute specification.				
16. A power of attorney and/or change of	address letter.			
17. A computer-readable form of the sequ	ience listing in accordance with PCT Rule	13ter.2 and 37 CFR 1	.821 - 1.825.	
18. A second copy of the published Intern	ational Application under 35 U.S.C. 154(d)(4).		
19. A second copy of the English languag	e translation of the International Application	on under 35 U.S.C. 15	4(d)(4).	
20. Other items or information:				Ī

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Actionary State	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/537,280		INTERNATIONAL APPLICATION NO. PCT/GB2003/005171		ATTORNEY'S DOCKET NUMBER URQU.P-016				
Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT actice \$3()(-4)	The follo	wing fees have been	submitted			CALCULATIONS	PTO USE ONLY		
If Intermaliporal pretiminary examination report propared by USPTO and all claims satisty provisions of PCT Articles 3(1)(4)(4)	21. Basi	ic national fee			\$300.00	\$0.00			
Search lete (37 CFR 1.445(p)(2)) has been paid on the international application to the USPTO as an international Searching Author(19): \$100.00 International Author(19): \$	If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100.00					\$0.00			
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence ising or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 er fraction thereof (round up to a whole unable) Total Sheets	Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority					\$0.00			
listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of page or fraction thereof. Total Sheets		TOTAL OF 21, 22 an	d 23 =			\$0.00			
thereof (round up to a whole number) 0 -100 = 0 0 /50 = 0 0 x \$250.00 \$0.00 Surcharge of \$130.00 for furnishing the eath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (h)). Total claims 0 -20 = 0 X \$50.00 \$0.00 Independent claims 0 -3 = 0 X \$200.00 \$0.00 Independent claims 0 -3 = 0 X \$200.00 \$0.00 INULTIFIED EDENDENT CLAIM(S) (if applicable)	listing or computer program listing filed in an electronic medium). The fee is \$250 for each								
Surcharge of \$130.00 for furnishing the cash or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (b)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims 0 - 20 = 0 X \$50.00 \$0.00 Independent claims 0 - 3 = 0 X \$50.00 \$0.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) TOTAL OF ABOVE CALCULATIONS = \$0.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/12. SUBTOTAL SUBTOTAL \$0.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)). TOTAL NATIONAL FEE \$0.00 Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$0.00 TOTAL FEES ENCLOSED \$0.00 Amount to be fefunded: \$0.00 Amount to be charged in the amount of \$ \$0.00 Please charge my Deposit Account No. In the amount of \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Total Sheets	Extra Sheets			RATE				
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a. A check in the amount of \$	TOTAL FEES ENCLOSED =					\$0.00			
a. A check in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0610 A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Marina T. Larson, Ph.D NAME 32038					\$				
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0610 A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Marina T. Larson, Ph.D NAME 32038							\$		
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